

## APPENDIX G

### ACREAGE TOTALS AND RUNOFF COEFFICIENT CALCULATIONS

Runoff Coefficients:

pavement - 0.70

unimproved land - 0.10

<b>Project</b>	<b>Building Footprint (acres)</b>	<b>Paved Parking/ Roads (acres)</b>	<b>Total Land Disturbed (acres)</b>
Distrib. Power Lab	0.25	0.5	2
Distrib. Power User Fac.	0.70	1.0	3
Utility upgrades	N/A	0.2	4
<b>Test sites/buildings</b>	<b>0.50</b>	<b>no additional</b>	<b>3</b>
<b>TOTALS:</b>	<b>1.45</b>	<b>1.7</b>	<b>12</b>

Calculations:

(impermeable surfaces:  $1.45 + 1.7 = 3.15$ ; round to 3.2)

$0.70 \times 3.2 \text{ ac} = 2.24$

$0.10 \times 8.8 \text{ ac} = 0.88$

Total = 3.12

**Runoff Coefficient:**  $3.12/12.0 = 0.26$